

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.

U-46719

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Corbin Unit ✓

8. Farm or Lease Name

Corbin Federal

9. Well No.

#1-2

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 1, T38S-R23E

12. County or Parrish 13. State

San Juan Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

Patrick Petroleum Corporation c/o Permitco

3. Address of Operator

1020-15th St., Suite 22-E Denver, CO 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1740' FSL & 2220' FEL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

15 miles SE of Blanding, Utah

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drig. line, if any)

420'

16. No. of acres in lease

1279

17. No. of acres assigned to this well

80

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

2100'

19. Proposed depth

6204' *AKA*

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5347' Gr.

22. Approx. date work will start*

September 15, 1983

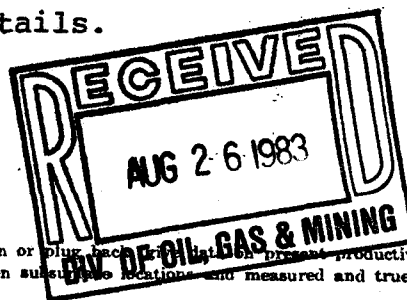
23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
13-3/8"	9-5/8"	36#	2000'	1100 sx - Circulated
8-3/4"	5-1/2"	15.5#	6204'	200 sx - or sufficient to cover zones of interest

Patrick Petroleum Corporation proposes to drill a well to 6204' to test the Desert Creek and Ismay Formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See attached NTL-6 for further details.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. David W. Abrahamson

Signed

David W. Abrahamson

Title Division Manager

Date 8-22-83

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

Title

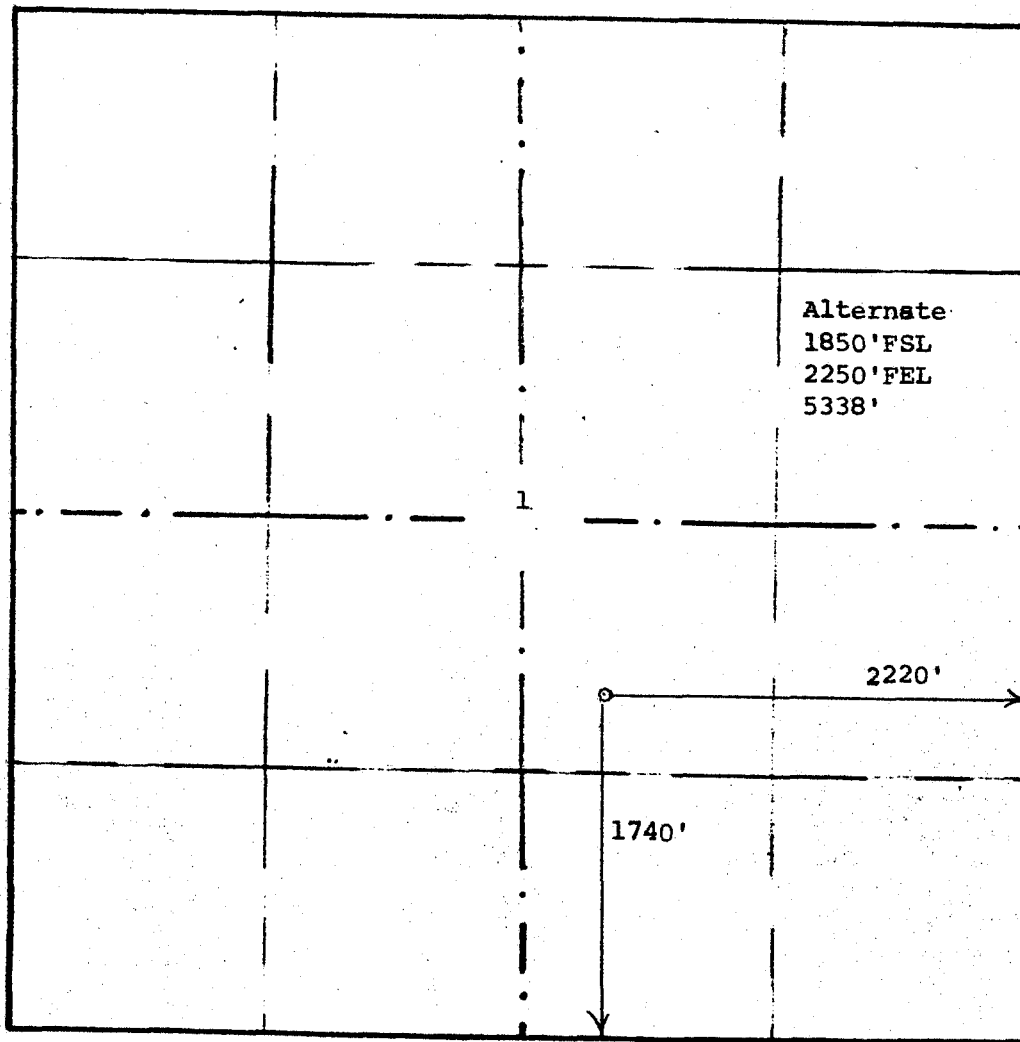
Date

Conditions of approval, if any:



POWERS ELEVATION

Well Location Plat



80.08 Acres

1"=1000'

Operator Patrick Petroleum Corp.		Well name Corbin Federal 1-2	
Section 1	Township 38 South	Range 23 East	Meridian SLPM
Footages 1740' FSL & 2220' FEL			County/State San Juan, Utah
Elevation 5347'	Requested by Lisa Green		
The above plat is true and correct to the best of my knowledge and belief. 16 August 1983 <u>Gerald G. Huddleston</u> Gerald G. Huddleston, L.S. Utah exception			



La Plata Archeological Consultants, Inc.
P.O. Box 783
Dolores, Colorado 81323
303-882-4933

RECEIVED
AUG 29 1983

August 22, 1983

Mr. Chas Cartwright
Area Archeologist
Bureau of Land Management
P.O. Box 7
Monticello, Utah 84535

DIVISION OF
OIL, GAS & MINING

Mr. Cartwright:

Please find enclosed the archeological survey report for Patrick Petroleum's Corbin Federal #1-2 well pad, located in San Juan County, Utah. No cultural resources were found and archeological clearance has been recommended.

Sincerely,

Patrick L. Harden
President

Distribution:

BLM - Salt Lake City
Permitco
Patrick Petroleum Corp.

PLH/cs

AN ARCHEOLOGICAL SURVEY OF
PATRICK PETROLEUM CORPORATION'S
CORBIN FEDERAL #1-2
WELL PAD AND ACCESS ROAD
SAN JUAN COUNTY, UTAH

LAC REPORT 8363

by
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.
P.O. BOX 783
DOLORES, COLORADO 81323
(303) 882-4933

AUGUST 21, 1983

Federal Antiquities Permit
83-AZ/CO/NM/UT-006

Prepared For:
Patrick Petroleum Corp.
Suite 710
1600 Stout St.
Denver, Colorado 80202

ABSTRACT

An archeological survey of Patrick Petroleum's Corbin Federal #1-2 well pad was conducted by personnel of La Plata Archeological Consultants, Inc. of Dolores, Colorado on August 15, 1983. The project is located on lands administered by the Bureau of Land Management - San Juan Resource Area, Utah. An area 630 X 630 feet surrounding the well pad center stake was archeologically surveyed, as well as a 20 meter (66') wide corridor along approximately 3500' of access route. No cultural resources were found in the project area. Archeological clearance is recommended for this project.

INTRODUCTION

The archeological survey for Patrick Petroleum Corporation's Corbin Federal #1-2 well pad and access road was requested by Ms. Lisa Green, acting permit agent for Patrick Petroleum. The survey was conducted on August 15, 1983 in conjunction with the on-site pre-drill inspection. The survey was performed by Patrick Harden of La Plata Archeological Consultants. Persons attending the pre-drill were Ms. Green (Permitco), Brian Wood and Tricia Powell (BLM), Dean McClellan (Atchison Construction), Gerald Huddleston (Powers Elevation), and Harden (LAC).

The project consists of the construction of a single well pad ca. 275 X 300' in size, and approximately 3500' of access road. The well pad is located in the SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$ of section 1,

T38S, R23E, San Juan County, Utah. The access road is located in the SE $\frac{1}{4}$ and NW $\frac{1}{4}$ of section 1, joining the improved Blanding-Hatch Trading Post road to the north of the well pad. The area is included on the Blanding, Utah 15' series topographic map (1957).

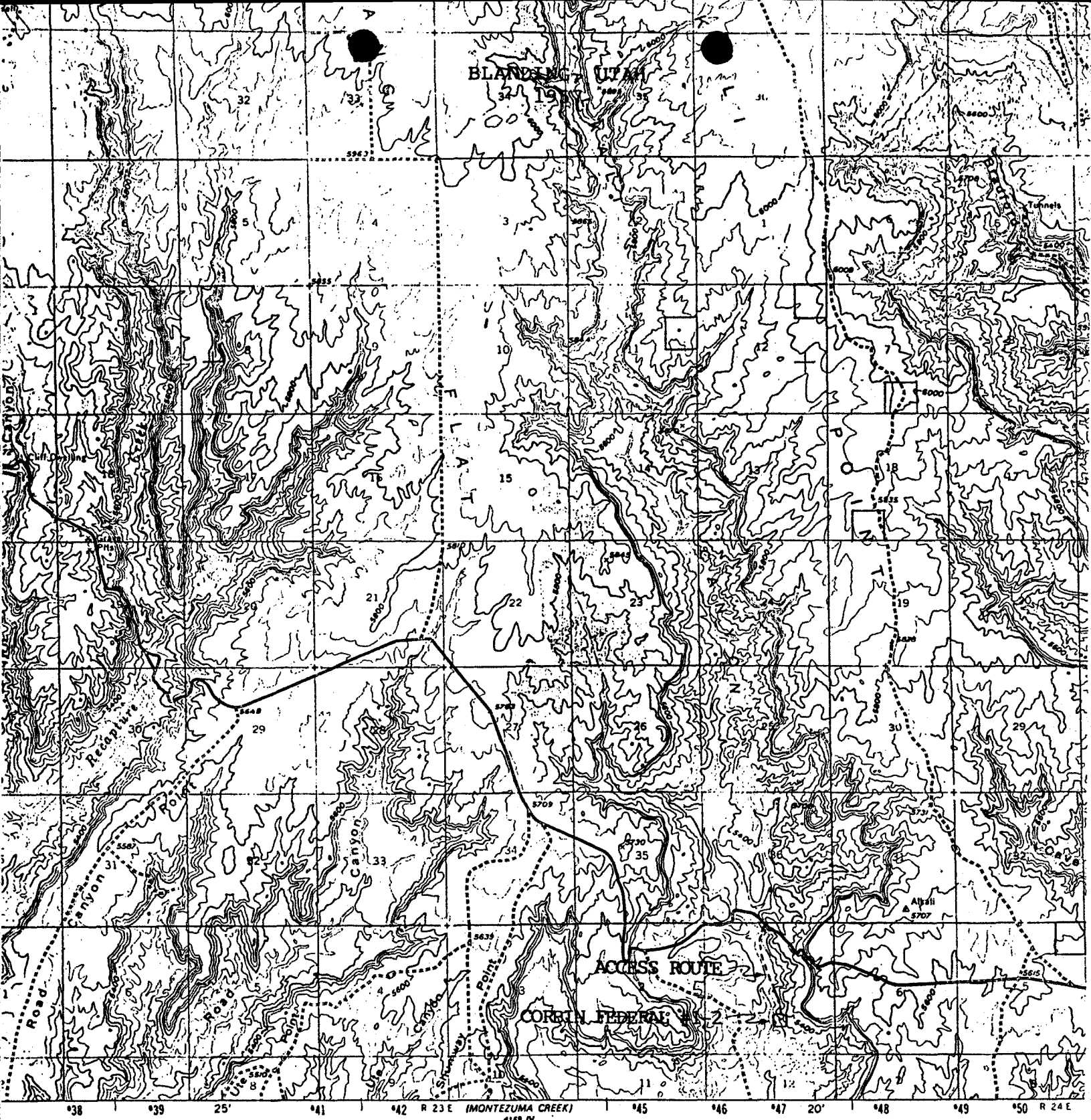
PHYSIOGRAPHY AND ENVIRONMENT

The project area is located in Alkali Canyon along the east slopes of Alkali Point. The area is bordered on the east by Alkali Point, and on the west by Shumway Point. The access road is located on the canyon slopes and a small terrace adjacent to Alkali Wash. The well pad and portions of the access road are situated among large boulders along the relatively steep slopes of the canyon wall. Terrain is rugged in the well pad area, with slopes being ca. 10-20°. The terrace area along Alkali Wash is flat. Steep boulder strewn slopes border the well pad on the east.

Sediments consist of sand to large boulder sized colluvium on the slopes, with the boulders a result of mass wasting of the canyon rim. Alluvial sand is found in the terrace area.

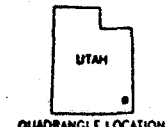
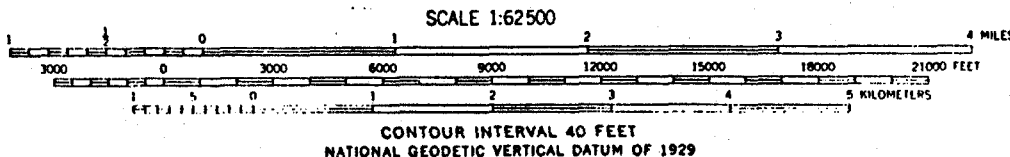
A xeric vegetation is found throughout the area, consisting of sagebrush and juniper in the well pad area, with sage, cheat grass, shadscale, prickley pear, saltbush, greasewood, and a few scattered juniper along most of the access route.

The nearest source of permanent water is a spring located approximately 3 $\frac{1}{2}$ miles southwest. Alkali Wash, located ca.



UTM GRID AND 1957 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

1° 00' 18 MILS
15° 267 MILS



[3]

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

400 feet west of the well pad contains water seasonally.

EXAMINATION PROCEDURES

A file and literature review was conducted at the San Juan Resource Area office of the Bureau of Land Management in Monticello, Utah on August 12th, prior to the field investigations. No sites are reported for the project area and no National Register listed properties are in or near the area.

On-the-ground survey consisted of walking a series of transects across the well pad area, and a single sinuous transect along the access route. Parallel transects could not be walked on the well pad due to the presence of numerous large boulders. Spacing of transects was kept as uniform as possible, with intervals of ca. 15m when permissible. An area 630 X 630' in the well pad area was effectively inventoried for cultural resources. A 66' wide area along the access route was also inspected. The well pad was staked and flagged prior to the survey, and the access route was flagged during the survey.

RESULTS

No cultural resources were found during the archeological survey. The nature of the sediments in the project area (well pad) make the possibility of buried cultural deposits being present highly unlikely. The relatively deep alluvial deposits along the access route in the vicinity of Alkali Wash could possibly contain buried deposits, although no evidence of these

was noted during the survey. All construction personnel should be aware of the possibility of uncovering cultural deposits and the necessity of stopping work immediately in such an event. Since subsurface cultural materials are unlikely to be present in any of the project area archeological monitoring of construction activities is not being recommended.

CONCLUSION

The archeological survey of Patrick Petroleum's Corbin Federal #1-2 well pad and access road was conducted by Patrick Harden of La Plata Archeological Consultants on August 15, 1983. An area 630 X 630' surrounding the well pad center stake and a 66' wide corridor along the access route was archeologically inventoried. No cultural resources were located in the project area and archeological clearance is recommended.

MAP #1

Patrick Petroleum Corporation

Corbin Federal #1-2

1740' FSL & 2220' FEL

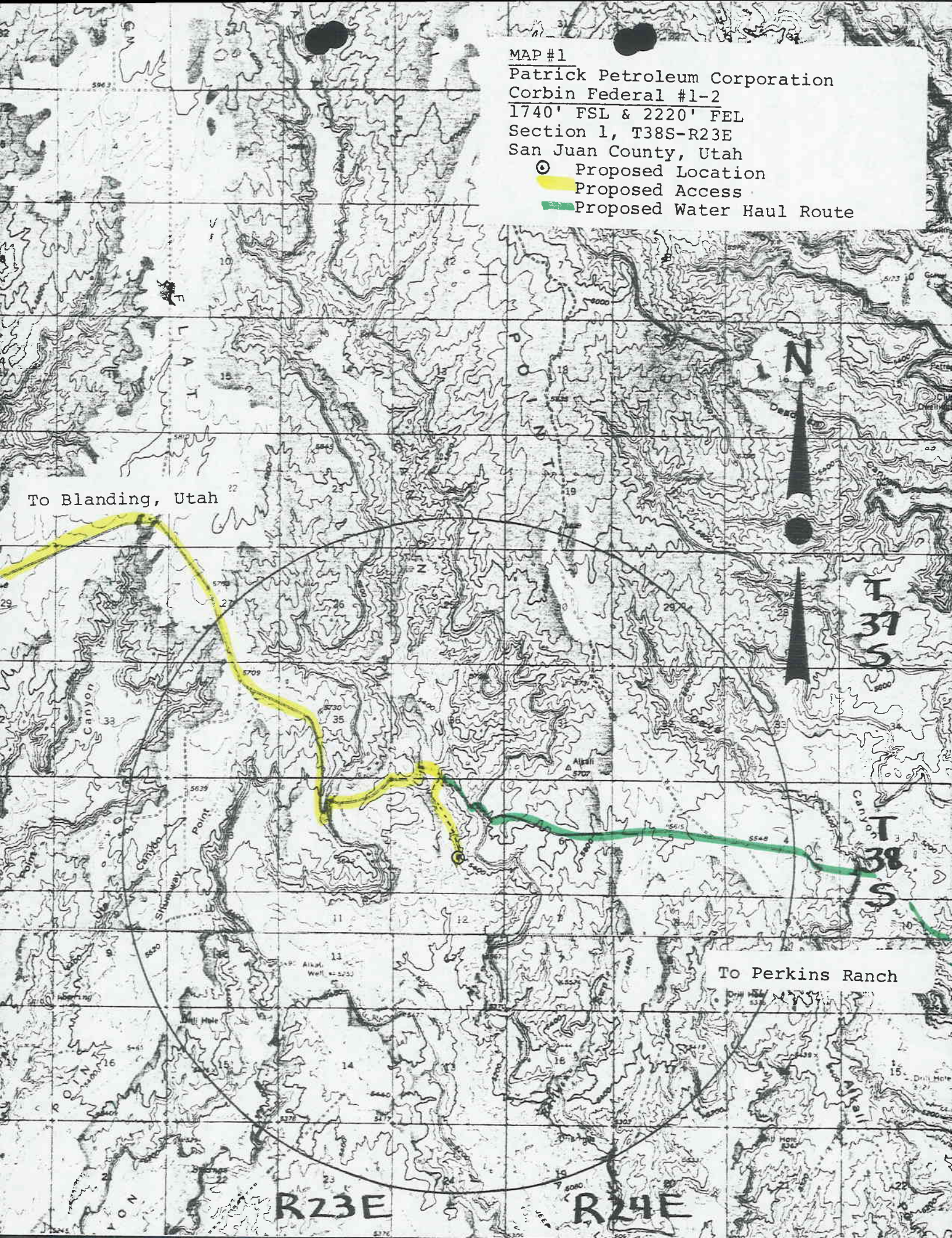
Section 1, T38S-R23E

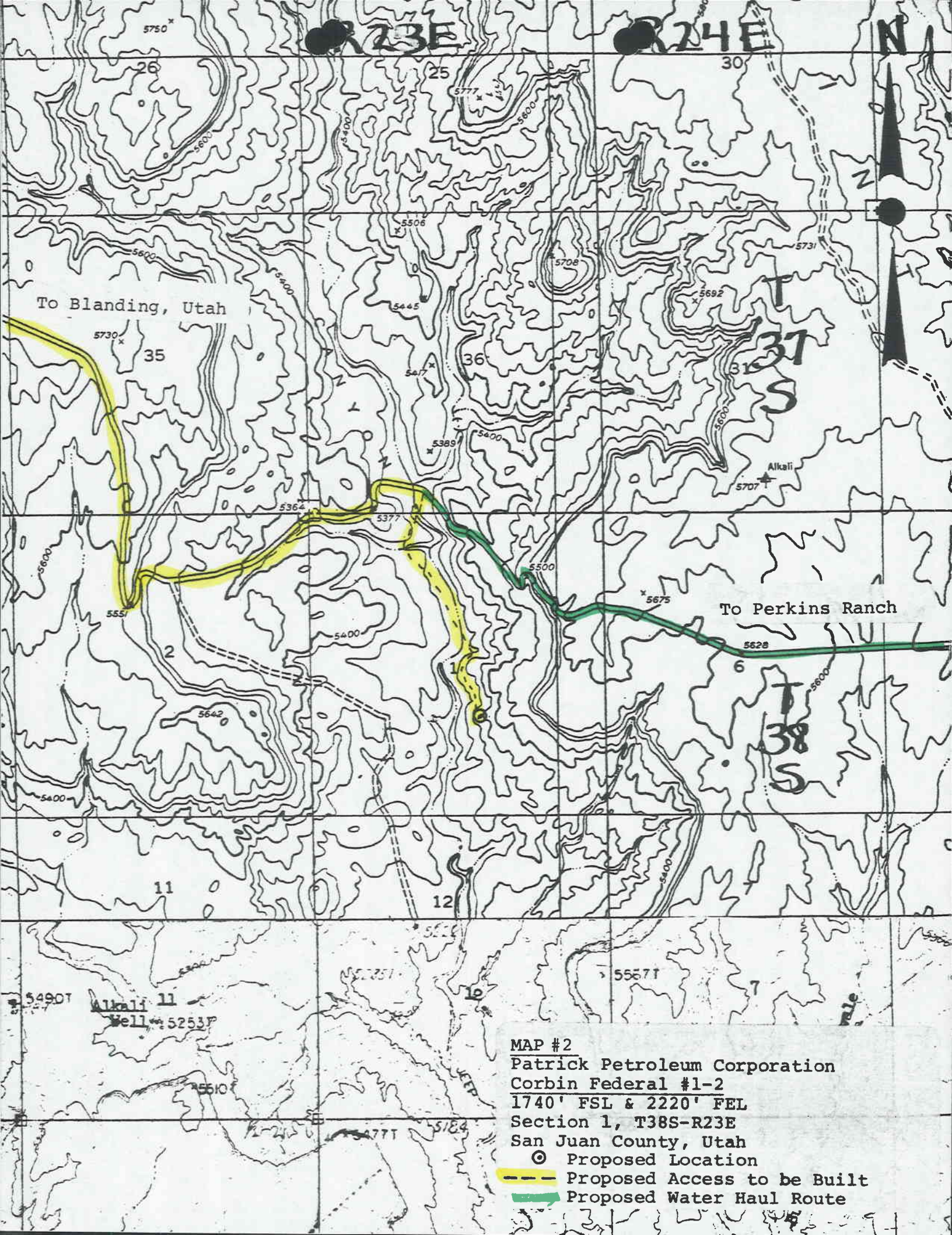
San Juan County, Utah

⊙ Proposed Location

— Proposed Access

— Proposed Water Haul Route





MAP #2

**Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah**

● Proposed Location

--- Proposed Access to be Built

— Proposed Water Haul Route

M 3

Patrick Petroleum Corporation

Corbin Federal #1-2

1740' FSL & 2220' FEL

Section 1, T38S-R23E

San Juan County, Utah

⊙ Proposed Location

◇ Abandoned Wells

R23E

R24E

T

37

S

T

38

S

TEN POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

1. The outcropping geologic formation is the Morrison.
2. The estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Organ Rock	3059'	+ 2300'
Hermosa	4847'	+ 512'
Top Ismay	5824'	- 465'
Desert Creek	6090'	- 731'
Akah	6164'	- 805'
T.D.	6204'	- 845'

3. The following depths are estimated for oil and gas bearing zones:

<u>Substances</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	Ismay	5824'
Oil	Desert Creek	6090'

4. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	
Surface	2000'	13-3/8"	9-5/8"	36.0#	K-55	ST&C	New
Production	6204'	8-3/4"	5-1/2"	15.5#	K-55	LT&C	New

The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-2000'	1100 sx. Lite Cement w/2% CaCl ₂ w/flocele, plus 200 sx. Class "B" w/2% CaCl ₂ w/flocele.
<u>Production</u>	<u>Type and Amount</u>
0-6204'	200 sx. Class "G" or sufficient to cover zones of interest.

5. Blowout preventer stack will consist of a 10" 3000# W.P. BOP. See BOP Diagram. Equipment will be tested prior to drilling out from under surface and operational checks will be made daily thereafter.

Permitco

A Petroleum Permitting Company

TEN POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

6. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Viscosity</u>	<u>F/L</u>	<u>PH</u>
0-2000'	Water/Lime	Low as possible	As needed	N/C	9-10
2000-4500'	Water	8.6-8.8	28	N/C	9-10
4500-6300'	Chem-Gel	8.8-10.0	40-45	8-10	10-10.5

7. Auxiliary equipment to be used is as follows:

- a. Kelly cock.
- b. Float above the bit.
- c. Monitoring of the system will be done visually.
- d. A sub with a full opening valve will be on the floor when the kelly is not in use.

8. Testing, logging and coring will be as follows:

- a. Cores: 1) Upper Ismay - 5884-5944'; 2) Desert Creek - 6137-6167'.
- b. Drill stem tests: 1) Upper Ismay - 5912-5944'; 2) Desert Creek - 6142-6167'.
- c. The logging program will consist of Dual Laterolog-Micro SFL, a Compensated Neutron-Litho Density and Borehole Compensated Sonic (Integrated) from the base of the surface casing to T.D.
- d. The zones of interest will be perforated with two shots per foot through the native porosity and acidized with 1500 gallons 28% HCl. The acid will be swabbed back and the well put on production.

9. No abnormal pressures or hydrogen sulfide gas are anticipated during the course of drilling to T.D. The maximum bottom hole pressure to be expected is 3000 psi.

10. Patrick Petroleum Corporation plans to spud the Corbin #1-2 on September 15, 1983, and intends to complete the well within approximately one month after the well has reached T.D.

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A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

Gentlemen:

We submit the following application and plats for permission to drill the Corbin Federal #1-2.

1. Existing Roads

- a. The proposed well site and elevation plat is shown on Plat #1.
- b. Directions to the location from Blanding, Utah, are as follows: Go south on Highway 163 for 1.8 miles. Turn east and go 1.2 miles on Road #219 Guyman Lane. Turn south on Road #206 Perkins and go 11.6 miles. Turn south onto proposed new access and go .8 miles to location.
- c. For access roads, see Maps #1 and #2.
- d. All existing roads within a 3-mile radius are shown on Map #1.
- e. This is an exploratory well. All roads within a one-mile radius of the well site are shown on Maps #1 and #2.
- f. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- g. Improvement to existing access will not be necessary and will be limited to a total existing disturbed width. New construction will be limited to a total disturbed width of 20 feet. Surfacing material will not be placed on the access road or location without prior BLM approval.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. The San Juan County Road Department in Monticello, Utah, will be contacted prior to the use of county roads at (801/587-2231 - ext. 43).

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A Petroleum Permitting Company

**MULTI-POINT REQUIREMENTS
TO ACCOMPANY A.P.D.**

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

2. Planned Access Roads

- a. New access road will be approximately 20 feet wide.
- b. The grade will be 8% or less.
- c. No turnouts are planned.
- d. There will be no ditching. Water bars will be constructed as directed by the Bureau of Land Management to control erosion. (To be done at a later date if production is established.)
- e. Any additional drainage will be installed at the discretion of the dirt contractor.
- f. One 23-inch culvert and one low water crossing will be necessary. These will be installed where deemed necessary by the dirt contractor.
- g. Only native materials will be utilized.
- h. No gates, cattle guards, or fence cuts will be necessary.

3. Location of Existing Wells (See Map #3)

- a. Water wells - none
- b. Abandoned wells - two
- c. Temporarily abandoned wells - none
- d. Disposal wells - none
- e. Drilling wells - none
- f. Producing wells - none
- g. Shut in wells - none
- h. Injection wells - none
- i. Monitoring observation wells - none

4. Location of Existing and/or Proposed Facilities

- a. There are no production facilities or gas gathering lines owned or controlled by Patrick Petroleum Corporation within a one-mile radius of the proposed well.
- b. New facilities contemplated in the event of production are shown on Diagram #1.

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MULTI-POINT REQUIREMENTS
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Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

4. Location of Existing and/or Proposed Facilities (cont.)

- b. 1. Proposed tank battery will be located as shown on Diagram #1.
2. All flow lines from well site to battery site will be buried below frost line depth.
3. Dimensions of the facilities will be 250 feet long and 165 feet wide. See Diagram #1.
4. All above-ground production facilities will be painted a neutral color to be approved by the Bureau of Land Management.
5. Only native materials will be utilized.
6. An earthen dike utilizing subsoil in the surrounding area will be built around the storage tanks and heater treater to contain oil should a leak occur. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
7. The reserve pit will be fenced and allowed to dry. Then all pits will be backfilled. The location not needed for production will be leveled, contoured and reseeded as per Bureau of Land Management requirements.
8. The access shall be upgraded to the following specifications (if production is established). The road shall be 20 feet wide, crowned and ditched. Culverts will be installed as deemed necessary by the Bureau of Land Management.

5. Location and Type of Water Supply

- a. The source of water will be the stockponds at the Perkins Ranch which is located in Section 7, T38S-R25E, San Juan County, Utah.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.
- d. A temporary use permit will be obtained from the Utah State Engineer (801/647-1303) before using this water source.

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MULTI-POINT REQUIREMENTS
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Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

6. Source of Construction Materials

- a. Only native materials are to be utilized.
- b. No construction materials will be taken off Federal land.
- c. Surface and subsoil materials in the immediate area will be utilized. Any gravel will be purchased from a commercial source.
- d. All major access roads are shown on Maps #1 and #2.
- e. The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the northeast side of the location. Topsoil along the access will be reserved in place.

7. Methods for Handling Waste Disposal

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. Drilling fluids are to be contained in the reserve pit.
- c. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- d. If a chemical porta-toilet is not furnished with the drilling rig, a sewage borehole will be used and its contents covered with 4 feet of fill.
- e. If a trash pit is used, it will be constructed near the mud tanks with steep sides and dug at least six feet into solid, undisturbed material. It will be totally enclosed with fine mesh wire before the rig moves in.
- f. The reserve pit will be lined with betonite at the contractor's discretion. At least half of the capacity will be in cut.
- g. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling operations begin. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

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Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

7. Methods for Handling Waste Disposal

- h. Trash will not be disposed of in the reserve pit. Garbage and nonflammable waste are to be contained in the trash pit. Flammable waste is to be contained in the burn pit. The trash is to be burned periodically and the remains buried when the well is completed. A burning permit will be obtained from the State Fire Warden (801/587-2705) before burning trash.
- i. All trash, garbage, etc. is to be gathered and buried at the end of drilling operations and covered with a minimum of 2 feet of earth. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. Nonburnable debris will be hauled to a local town dump. Reserve and mud pits will be allowed to dry after drilling is completed and then adequately filled and leveled. All garbage and sewage pits will be filled as soon as the rig leaves the location.

8. Ancillary Facilities

- a. There are no airstrips, camps or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagram #2. The location will be laid out and constructed as discussed during the predrill conference.

10. Plans for Restoration of Surface

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of 2 feet of compacted soil.

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Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

10. Plans for Restoration of Surface (cont.)

- b. The operator or his contractor will contact the Bureau of Land Management office in Monticello, Utah (801/587-2201) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit will be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be scarified with the contour to a depth of 12 inches.
- f. Water bars will be built as follows to control erosion:

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover.
Seed Mixture as follows:

2 lbs./acre Indian Ricegrass
1 lb./acre Curleygrass
1 lb./acre Fourwing Saltbush
2 lbs./acre Shadscale
1 lb./acre Wild Sunflower

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

- h. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

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MULTI-POINT REQUIREMENTS
TO ACCOMPANY A.P.D.

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL & 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

10. Plans for Restoration of Surface (cont.)

- i. The access shall be upgraded to BLM Class III road specifications, if production is established.

11. Other Information

- a. 1. Topography: The prospect area is located in Alkali Canyon along the east slopes of Alkali Point. The well pad is bordered on the east by Alkali Point and on the west by Shumway Point.
2. Soils: Consist of sand to large boulder-sized colluvium. Alluvial sand is found in the terrace area.
3. Vegetation: Consists of cheat grass, sagebrush, snakeweed, shadscale, prickly pear and a few scattered juniper.
4. Fauna: Consists of rabbits, small rodents and an occasional deer.
- b. Surface in the area is owned by the Bureau of Land Management and is used for cattle grazing and oil and gas exploration.
- c. The nearest water is located approximately 4-1/2 miles southwest. Alkali Wash, located approximately 300 meters west contains water seasonally.
- d. The nearest occupied dwelling is approximately 6 miles east at the Perkins Ranch.
- e. An archeological study was performed by La Plata Archeological Consultants. No significant cultural resources were found and clearance is recommended. An Archeological Report will be submitted separately.
- f. Drilling will begin approximately September 15, 1983.
- g. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will only be done if damage occurs.
- h. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work is done.

Permitco

A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS
O ACCOMPANY A.P.D.

Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL and 2220' FEL
Sec. 1, T38S - R23E
San Juan County, Utah

11. Other Information (cont.)

- i. The operator will notify the San Juan Resource Area BLM Office in Monticello, Utah (801/587-2201) 48 hours prior to beginning any work on public land.

12. Lessee's or Operator's Representative

PERMIT MATTERS

Permitco
Lisa Green
1020-15th Street
Suite 22E
Denver, CO 80202
(303/595-4051) (W)

DRILLING & COMPLETION MATTERS

Patrick Petroleum Corporation
David Abrahamson
1600 Stout Street
Suite 710
Denver, CO 80202
(303/573-1207) (W)
(303/794-7453) (H)

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Patrick Petroleum Corporation and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

8/22/83
Date

David W. Abrahamson
David W. Abrahamson - Division Manager
PATRICK PETROLEUM CORPORATION

Permitco

A Petroleum Permitting Company

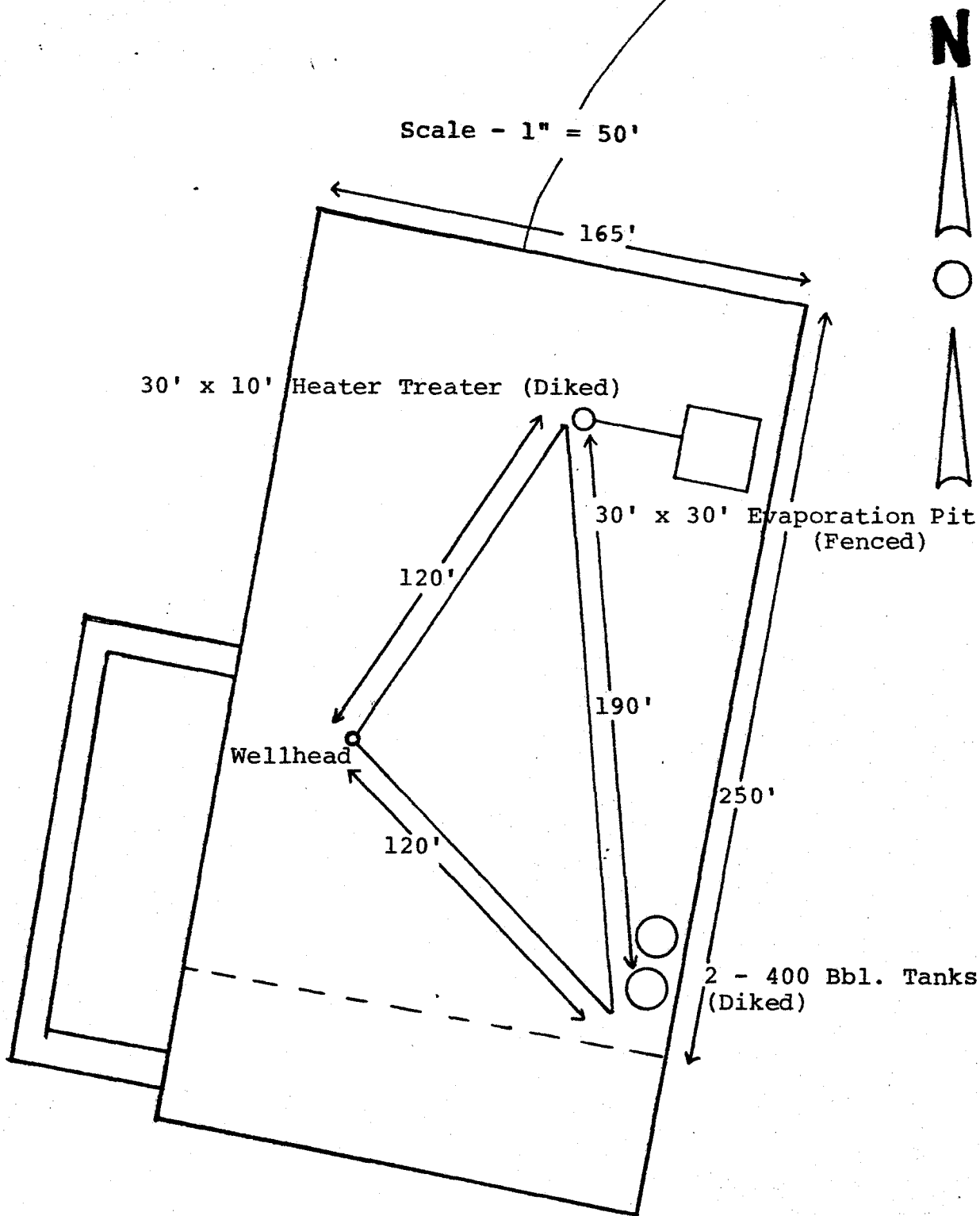
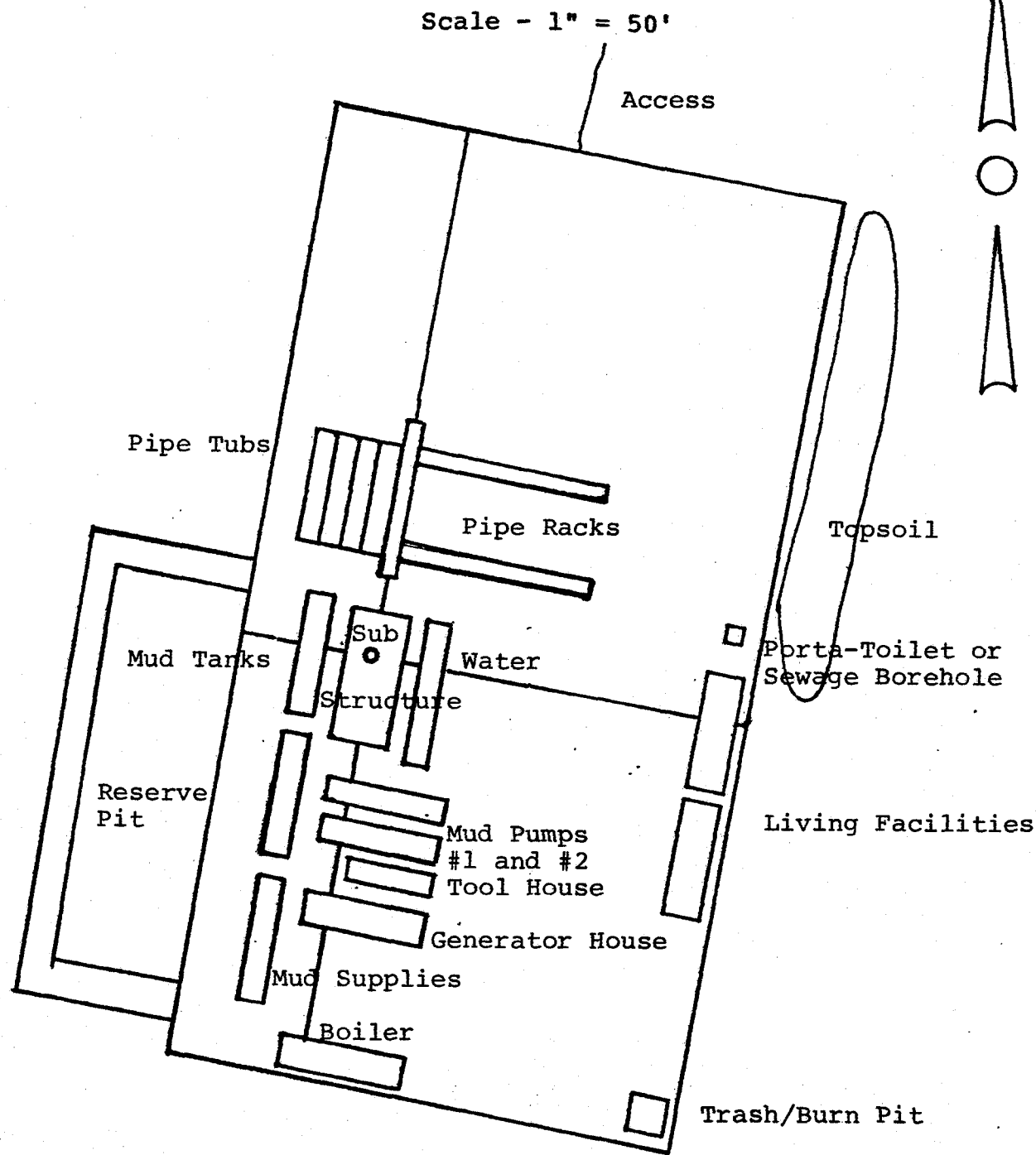


DIAGRAM #1
 PATRICK PETROLEUM CORPORATION
 Corbin Federal #1-2
 1740' FSL and 2220' FEL
 Sec. 1, T38S - R23E
 San Juan County, Utah



Patrick Petroleum Corporation
 Diagram #2
 Corbin Federal #1-2
 1740' FSL and 2220' FEL
 Sec. 1, T38S - R23E
 San Juan County, Utah



POWERS ELEVATION

Well Corbin Federal 1-2

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

Cut ///////////////
Fill: - - - - -

Scales: 1"=50'H.
1'=20'V.

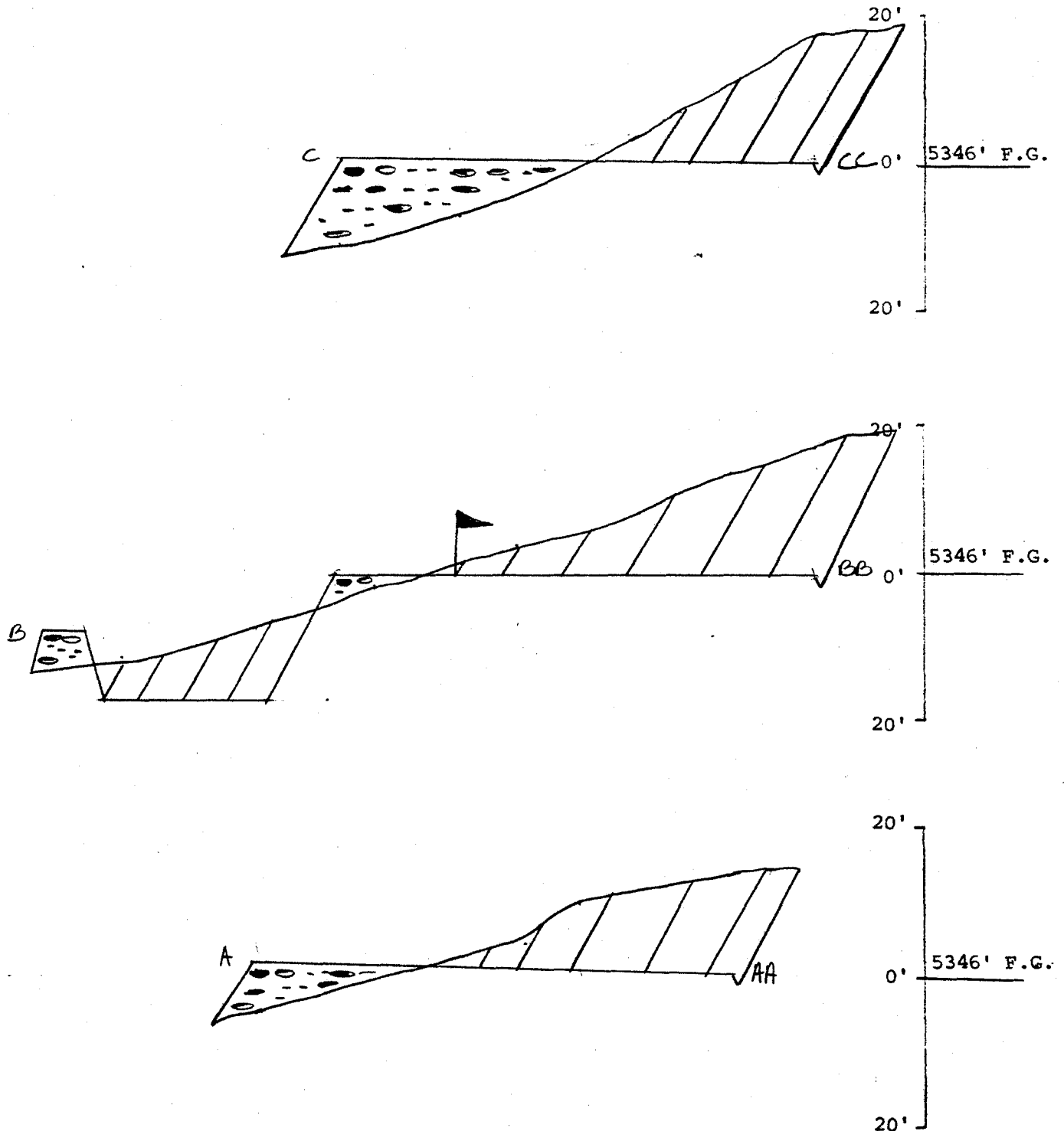


DIAGRAM #3

Patrick Petroleum Corporation
Corbin Federal #1-2

1740' FSL and 2220' FEL
Sec. 1, T38S - R23E

A DIVISION OF PETROLEUM INFORMATION CORPORATION/A SUBSIDIARY OF A.C. NIELSEN COMPANY

1" = 50'

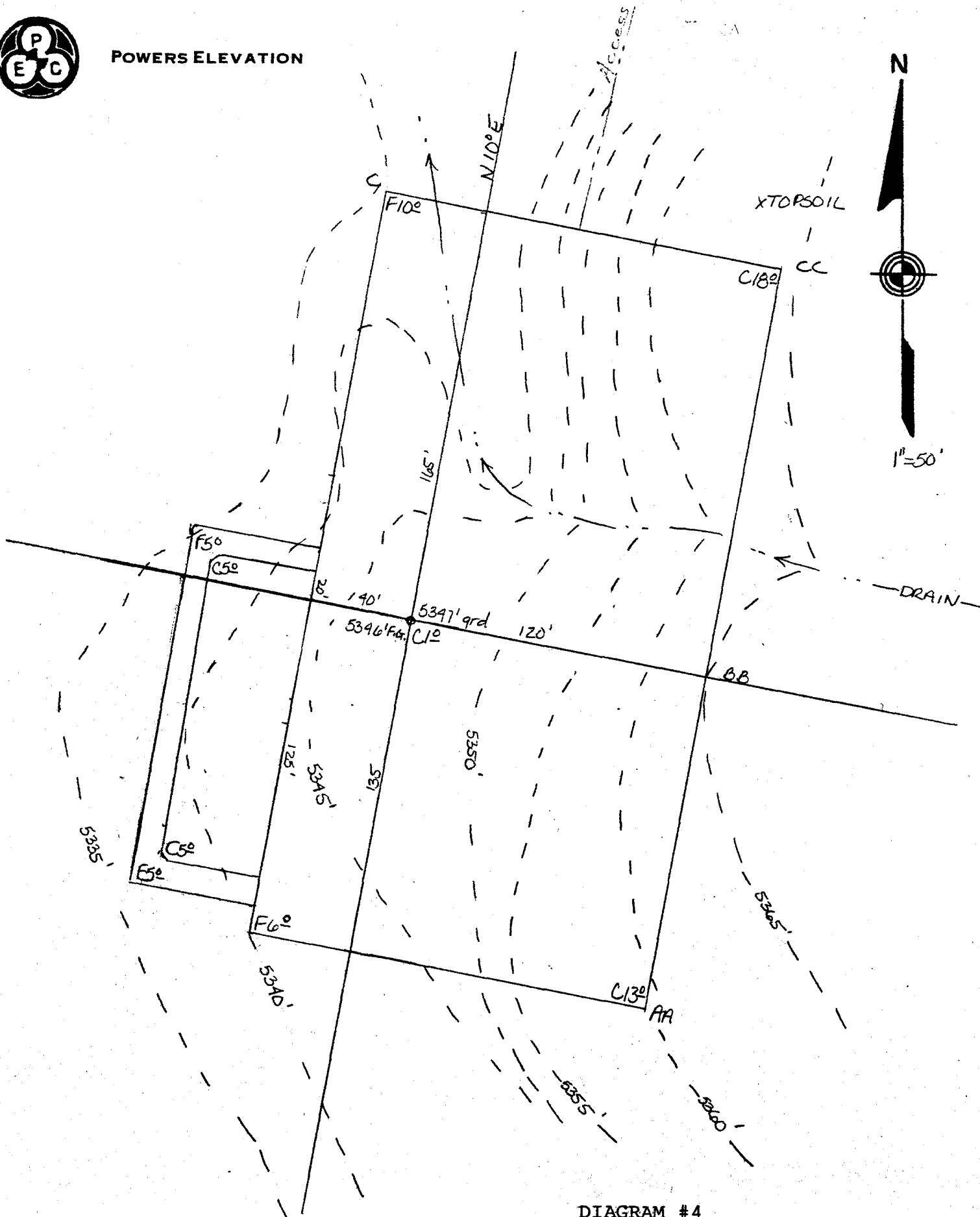


DIAGRAM #4
Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL and 2220' FEL
Sec. 1, T38S - R23E

COLEMAN DRILLING CO.

Drawer 3337
Farmington, New Mexico 87401
(505) 325-6892—24 hour
(505) 327-4935

DRILLING RIG INVENTORY

RIG # 4

RATED DEPTH CAPACITY 10,000 FEET WITH 4 1/2" DRILL PIPE

DERRICK: 127' DYNAMIC W/450,000 GROSS NET CAPACITY

SUBSTRUCTURE: LEE C. MOORE - 13' K.B.

DRAWWORKS: N-46 SKYTOP-BREWSTER

ENGINES: 2 EACH V-12 71T DETROIT DIESEL

MUD PUMPS: OPI HDL 700 W/CATERPILLER D-298T AUXILIARY MUD PUMP
850 MAX. HP AT 1200 RPM WILSON 600 H.P.
910 INT. HP AT 1150 RPM TAIL SHAFT DRIVE
750 CONT. HP AT 1150 RPM

DESILTER: PIONEER 10 CONE CAPACITY 500 GPM

MUD TANK: 2 TANKS IN L SHAPE, 650 BELS.

WATER STORAGE: 1 EACH 448 BELS. (42 GALLONS PER BEL.) WORKING CAPACITY

GENERATORS: 2 EACH 125 KW AC

ROTARY TABLE: NATIONAL MS 20-1/2"

TRAVELING BLOCK: EMSCO 5-36 250 TONS W/COMB. HOOK

SWIVEL: OILWELL PC 225

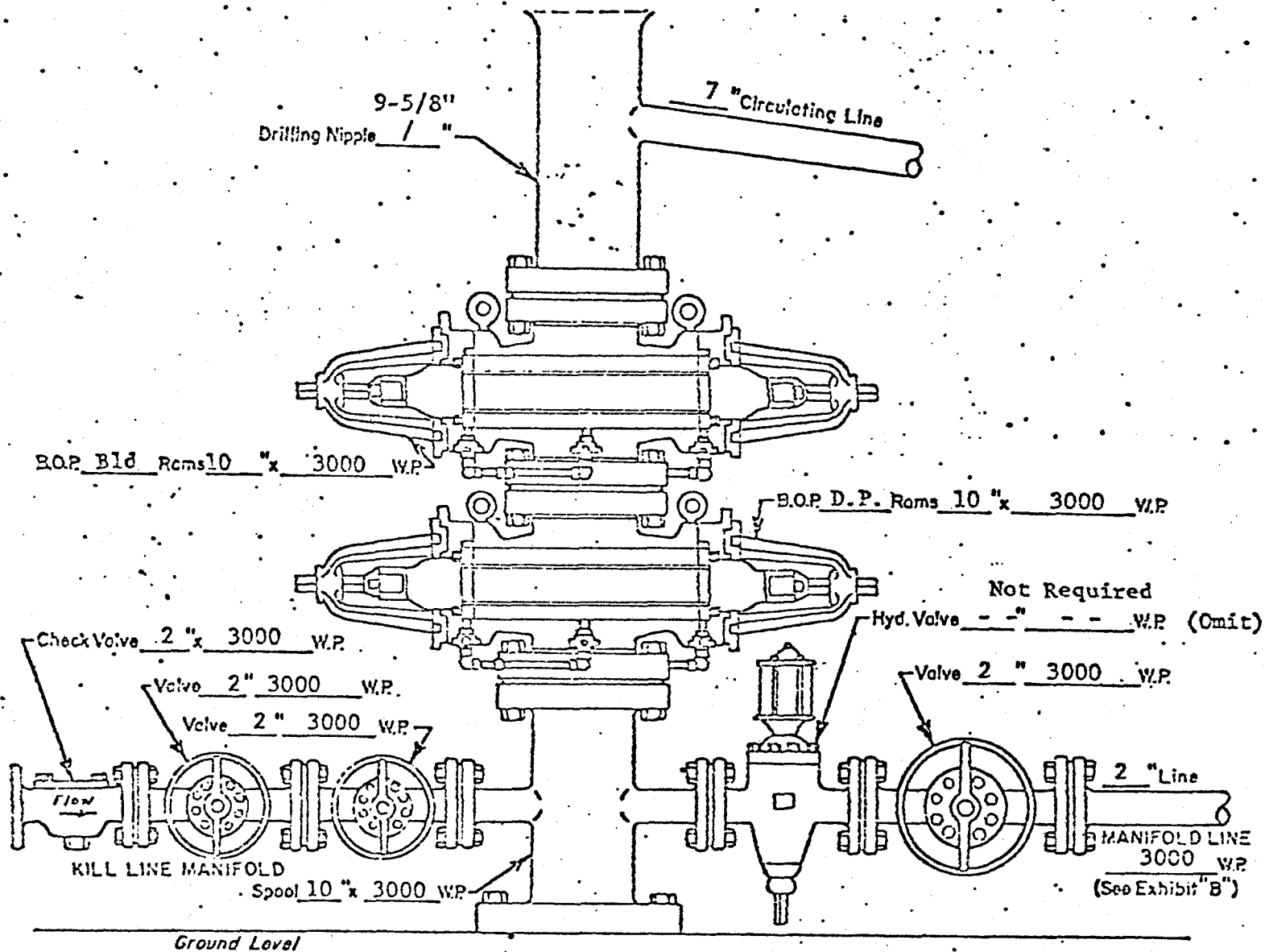
BLOW OUT PREVENTER: 10" SHAFFER 3000 WP HYDRAULIC

SPECIAL: CROWN-O-MATIC
SATELITE AUTOMATIC DRILLER
TONG TORQUE GAUGE
RATE OF PENETRATION RECORDER
SHALE SHAKER
TRAILER HOUSE
TWO-WAY RADIO

MAY 1983

WELL NAME: _____

LOCATION : _____



WELL HEAD B.O.P.

3000 # W.P.

☒ Hydraulic

NTL-6 PROGRAM

APPROVAL OF OPERATIONS

CORBIN FEDERAL #1-2

1740' FSL and 2220' FEL
Section 1, T38S-R23E
San Juan County, Utah

Prepared for:

PATRICK PETROLEUM CORPORATION

By:

PERMITCO

1020 - Fifteenth Street, Suite 22E
Denver, Colorado 80202

Copies Sent To:

- 4 - BLM - Salt Lake City, Utah
- 1 - BLM - Monticello, Utah
- 1 - Div. of Oil, Gas & Mining, SLC, UT
- 6 - Patrick Petroleum Corporation

Permitco

A Petroleum Permitting Company



Patrick Petroleum Company

HOME OFFICE
JACKSON, MICHIGAN

1600 Stout Street Suite 710
Denver, Colorado 80202-3129

Area Code 303
Telephone 573-1207

DIVISION OFFICES

BILLINGS, MONTANA
BLOOMFIELD HILLS, MICHIGAN
DENVER, COLORADO
HOUSTON, TEXAS
JACKSON, MISSISSIPPI
LAFAYETTE, LOUISIANA
MIDLAND, TEXAS
NEW YORK, NEW YORK
OKLAHOMA CITY, OKLAHOMA
PITTSBURGH, PENNSYLVANIA
WICHITA, KANSAS

August 10, 1983

Minerals Management Service
Bureau of Land Management
1745 West 1700 Street
Suite 2000
Salt Lake City, Utah 84104

RE: Corbin Federal #1-2
Corbin Federal Unit #14-08-0001-21209
Bullpen Prospect
San Juan County, Utah

Gentlemen:

Please be advised that Patrick Petroleum Corporation of Michigan has retained the services of and hereby authorizes Permitco, 1020 Fifteenth Street, Suite 22E, Denver, Colorado, 80202, as our agent to prepare the NTL-6 program for the captioned well and further to act on our behalf to attend to any related matters.

If you should have any questions or I may be of any further help to you in regards to this matter, please advise.

Yours very truly,

PATRICK PETROLEUM CORPORATION OF MICHIGAN

David W. Abrahamson

David W. Abrahamson
Division Manager

DWA:am
Enclosure

Permitco

A Petroleum Permitting Company

August 22, 1983

State of Utah
Division of Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Patrick Petroleum Corporation
Corbin Federal #1-2
1740' FSL and 2220' FEL
Sec. 1, T38S - R23E
San Juan County, Utah

Gentlemen:

Patrick Petroleum Corporation proposes to drill a well at the above mentioned location.

We realize that this location is a non-standard location in accordance with the spacing rules for the State of Utah. This location was picked due to topography and extensive seismic work which was done in the immediate area.

Patrick Petroleum Corporation is the lease holder of all of Sections 1 and 12, T38S - R23E, and has obtained a farmout from Pennzoil on the adjoining Section 36, T37S - R23E. These sections are all within the Corbin Unit and no other lease holders will be affected by the drilling of the proposed well.

We, therefore, request your permission to drill this well at a non-standard location.

Sincerely,

PERMITCO



Lisa L. Green
Consultant for
Patrick Petroleum Corporation

Attachments

cc: Patrick Petroleum Corporation

OPERATOR PATRICK PETROLEUM CORP

DATE 8-29-83

WELL NAME CORBIN FED 1-2

SEC NW SE 1 T 38S R 23E COUNTY SAN JUAN

43-037-30921

API NUMBER

FED

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

APPROVED BY THE STATE

OF UTAH

OIL AND GAS DIVISION

DATE: 8-29-83

BY: [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

8/30/83

APPROVAL LETTER:

SPACING:

☒

A-3

CORBIN

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

a copy of the Utah Division of Water Rights (801-533-6071)
approval for use of water at the drilling site
shall be submitted to this agency prior
to spending, otherwise this permit to drill
is void.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER _____

☒ UNIT COPPER

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

August 29, 1983

Patrick Petroleum Corporation
c/o Permitco
1020 - 15th Street, Suite 22-E
Denver, Colorado 80202

RE: Well No. Corbin Federal 1-2
NWSE Sec. 1, T. 38S, R. 23E
1740' FSL, 2220' PHL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. A copy of the Utah Division of Water Rights (801-533-6071) approval for use of water at the drilling site shall be submitted to this agency prior to spudding, otherwise this permit to drill is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

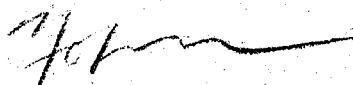
RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30927.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Patrick Petroleum Corporation c/o Permitco

3. ADDRESS OF OPERATOR

1020-15th Street, Suite 22-E Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1740' FSL & 2220' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

420'

16. NO. OF ACRES IN LEASE

1279

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2100'

19. PROPOSED DEPTH

6204'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5347' Gr.

22. APPROX. DATE WORK WILL START*

Sept. 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	9-5/8"	36#	2000'	1100 sx - Circulated
8-3/4"	5-1/2"	15.5#	6204'	200 sx - or sufficient to cover zones of interest

Patrick Petroleum Corporation proposes to drill a well to 6204' to test the Desert Creek and Ismay Formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See attached NTL-6 for further details.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. David W. Abrahamson

SIGNED

David W. Abrahamson

TITLE Division Manager

DATE

8-22-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Kenneth V. Rhea

TITLE Associate District Manager

DATE

9/7/83

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

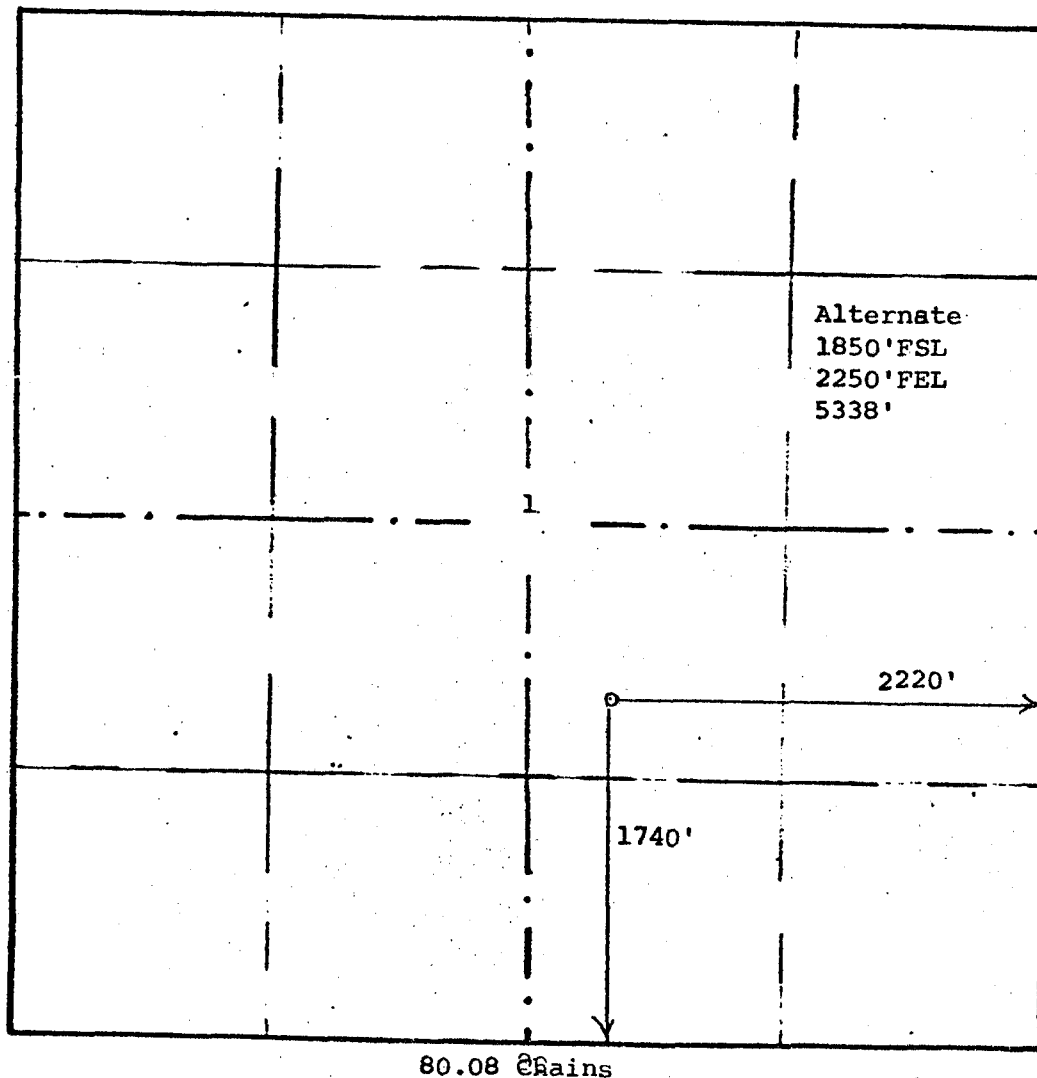
FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80



POWERS ELEVATION

LAT #1

Well Location Plat



1"=1000'

Operator Patrick Petroleum Corp.		Well name Corbin Federal 1-2	
Section 1	Township 38 South	Range 23 East	Meridian SLPM
Footages 1740' FSL & 2220' FEL			County/State San Juan, Utah
Elevation 5347'	Requested by Lisa Green		
The above plat is true and correct to the best of my knowledge and belief.			
16 August 1983		<i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S. Utah exception	

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Patrick Petroleum Corporation

Well No. 1-2

Location Sec. 1, T. 38 S., R. 23 E.

Lease No. U-46719

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a week-end or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.

6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: Tom Hare

Office Phone: 801-259-6111 Ext. 235 Home Phone: 801-259-7965

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 480 South First West, P.O. Box 7, Monticello, Utah 84535

Your contact is: Brian Wood

Office Phone: 801-587-2201 Home Phone: 801-587-2087

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.

g. If appropriate, the unit agreement name, number and participating area name.

h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

Patrick Petroleum Corporation

Well No. 1-2

T. 38 S., R. 23 E., Sec. 1

San Juan County

Lease U-46719

Supplemental Stipulations:

1. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: PATRICK PETROLEUM CORPORATION

WELL NAME: CORBIN UNIT #1-2

SECTION NWSE 1 TOWNSHIP 38S RANGE 23E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN DRILLING

RIG #

SPUDDED: DATE 9-25-83

TIME 11:00 PM

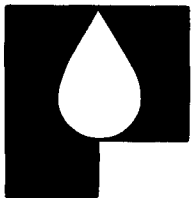
How

DRILLING WILL COMMENCE

REPORTED BY Nickie (Denver)

TELEPHONE #

DATE 9-26-83 SIGNED RJF



HOME OFFICE
JACKSON, MICHIGAN

DIVISION OFFICES

BILLINGS, MONTANA
BLOOMFIELD HILLS, MICHIGAN
DENVER, COLORADO
HOUSTON, TEXAS
JACKSON, MISSISSIPPI
LAFAYETTE, LOUISIANA
MIDLAND, TEXAS
NEW YORK, NEW YORK
OKLAHOMA CITY, OKLAHOMA
PITTSBURGH, PENNSYLVANIA
WICHITA, KANSAS

Patrick Petroleum Company

1600 Stout Street-Suite 710
Denver, Colorado 80202-3129

Area Code 303
Telephone 573-1207

RECEIVED
OCT 3 1983

September 29, 1983

**DIVISION OF
OIL, GAS & MINING**

Mr. R. J. Firth
Chief Petroleum Engineer
4241 State Office Building
Salt Lake City, Utah 84114

RE: #1-2 Corbin Federal
NW SE Section 1, T38S-R23E
1740' FSL & 2220' FEL
San Juan County, Utah

Dear Mr. Firth:

This letter is to confirm our phone conversation September 27, 1983 in regard to the spud date of the subject well. The well spud @ approximately 1:00 p.m. September 26, 1983.

Patrick Petroleum is drilling this well as a "Tight Hole" and would appreciate your cooperation with regard to this.

Yours very truly,

PATRICK PETROLEUM CORPORATION
OF MICHIGAN

Vikki M. Miller
Engineering Technician

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
Other instructions on
reverse side)

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRY HOLE		5. LEASE DESIGNATION AND SERIAL NO. BLM-U-46719
2. NAME OF OPERATOR PATRICK PETROLEUM CORPORATION OF MICHIGAN		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1600 Stout Street Suite 710 Denver, Colorado 80202		7. UNIT AGREEMENT NAME Corbin Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW SE 1740' FSL, 2220' FEL		8. FARM OR LEASE NAME Corbin Federal
14. PERMIT NO. NA		9. WELL NO. #1-2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5347' GR, 5360' KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1, T38S-R23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SUBJECT WELL WAS PLUGGED AND ABANDONED 10/14/83 AS FOLLOWS:

Plug #1 5500-5700'
Plug #2 1900-2100'
25 sx @ surface + marker

as per BLM and State of Utah requirements.

RECEIVED

NOV 16 1983

DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11/19/83
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED Daniel W. Abrahamson TITLE Division Manager

DATE November 1, 1983

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

BLM-U-46719

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Corbin Unit

8. FARM OR LEASE NAME

Corbin Federal

9. WELL NO.

#1-2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 1, T38S-R23E

12. COUNTY OR
PARISH

San Juan

13. STATE

Utah

1a. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☐DRY ☒

Other

b. TYPE OF COMPLETION:

NEW
WELL ☐WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Other

2. NAME OF OPERATOR

PATRICK PETROLEUM CORPORATION OF MICHIGAN

3. ADDRESS OF OPERATOR

1600 Stout Street Suite 710 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface NW SE 1740' FSL, 2220' FEL

At top prod. interval reported below
same as above

At total depth

same as above

14. PERMIT NO.

43-037-30927

DATE ISSUED

9/7/83

15. DATE SPUDDED

9/26/83

16. DATE T.D. REACHED

10/12/83

17. DATE COMPL. (Ready to prod.)

10/14/83

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5347 GR, 5360 KB

19. ELEV. CASINGHEAD

NA

20. TOTAL DEPTH, MD & TVD

6148'

21. PLUG, BACK T.D., MD & TVD

NA

22. IF MULTIPLE COMPL.,
HOW MANY*

NA

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

→

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NA

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Litho-Density-Comp. Neutron, Dual Laterolog, Cyberlook, Borehole Comp.

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	36#	70' KB	17-1/2"	100 sx Class B.	NA
9-5/8"	36#	1990' KB	12-1/4"	765 sx Class B w/2% CACL & 1/2# flocele/sx	NA

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT**	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		NA				NA	

RECEIVED

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

NA

JUN 6 1984

DIVISION OF OIL
GAS & MINING

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NA

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in) P+A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Daniel W. Abraham

TITLE

Division Manager

DATE

October 20, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
U. Ismay	5820'	5880'	Cored - 60' core cut, 60' rec.	Upper Ismay	5764	(-404)
D. Creek	6068'	6098'	Cored - Rec 28'	Lower Ismay	5903	(-543)
D. Creek	6054'	6098'	Op 15, SI 60, Op 60, SI 180. Wk blo thru out. Pipe rec 20' M, no sho. Splr rec 2000 cc M @ 100# psi, 10,000 PPM Cl. Mud pit 700 PPM Cl. BHT 127°F. IHP 3036, IFF 77-82, ISIP 101, FFP 75-80, FSIP 112, FHP 3016.	Gothic Shale	5966	(-606)
				Desert Creek	5975	(-615)
U. Ismay	5855'	5899'	Op 15, SI 60, Op 30, SI 120. Rec 15' M, no sho. Splr chmbr filled w/hvy M. IHP 2962, IFF 80-80, ISIP 88, FFP 82-82, FSIP 91, FHP 2948. BHT 121°F, Cl 6000 ppm @ 72° in pipe. Cl 600 ppm in mud pit.	Akah (Chimney Rock)	6092	(-732)
				Total Depth	6148'	



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 13, 1985

Ladd Petroleum Corporation
1600 Stout Street, Suite 710
Denver, Colorado 80202-2329

Gentlemen:

Re: Well No. Corbin Federal 1-2 - Sec. 1, T. 38S., R.23E
San Juan County, Utah - API #43-037-30927

According to our records a "Well Completion Report" filed with this office October 30, 1983 on the above referred to well indicates the following electric logs were run: LD/CN, DLL, Cyberlook and BH. This office has not yet received these logs.

Please take care of this matter as soon as possible, but not later than April 13, 1985.

Your cooperation in this matter is appreciated.

Sincerely,

Pam Kenna
Well Records Specialist

CLJ/clj
CC: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0123S/27



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 4, 1985

Ladd Petroleum corporation
1600 Stout Street, #710
Denver, Colorado 80202-2329

Gentlemen:

Re: Well No. Corbin Federal 1-2 - Sec. 1, T. 38S., R. 23E.,
San Juan County, Utah - API #43-037-30927

According to our records a "Well Completion Report" filed with this office October 30, 1983 on the above referenced well indicates the following electric logs were run: LD/CN, DLL, Cyberlook & BH. This office has not yet received these logs.

Please take care of this matter as soon as possible, but not later than October 18, 1985.

Your cooperation in this matter is appreciated.

Sincerely,

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/31